

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-027254

(43)Date of publication of application : 29.01.2003

(51)Int.Cl. C23C 22/40
C23C 22/44
C23C 28/00

(21)Application number : 2001-207235 (71)Applicant : KANSAI PAINT CO LTD
(22)Date of filing : 09.07.2001 (72)Inventor : MURATA MASAHIRO
NAKANO TAKASHI

(54) METAL SURFACE TREATING COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a surface treating composition of a pollution-free type having the rust preventive power equivalent to that of chromate treatment and phosphate treatment.

SOLUTION: The metal surface treating composition contains (B) 1 to 100 pts.wt. silica particles, (C) 1 to 100 pts.wt. aziridinyl group- or oxazoline group- containing compound, (D) 0.5 to 30 pts.wt. vanadic acid compound and (E) 0.5 to 30 pts.wt. zirconium compound per (A) 100 pts.wt. carboxyl group- containing urethane resin of a resin acid value 5 to 50, or the metal surface treating composition contains (C) 1 to 100 pts.wt. aziridinyl group- or oxazoline group- containing compound, (D) 0.5 to 30 pts.wt. vanadic acid compound and (E) 0.5 to 30 pts.wt. zirconium compound with respect to an organic composite silicate (F) prepared by reacting 100 pts.wt. carboxyl group-containing urethane resin of the resin acid value 5 to 50 (A) and 1 to 100 pts.wt. silica particles (B), and the surface treated steel sheet is coated with the metal surface treating composition.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]